

CLAIMS:

1 1. A paint pad comprising, in combination, a main
2 body portion, and a backing portion, with said body having
3 an exterior surface portion for contacting surfaces to be
4 painted, said body portion being made from a paint-
5 absorbent, open cell flexible foam material, with said
6 cells forming pores of sufficient size to retain a
7 thixotropic paint, said body also including a large
8 plurality of small diameter, paint-receiving wells formed
9 therein, said wells extending inwardly from said exterior
10 surface of said paint pad and terminating at closed off end
11 portions with said pad body, said wells being of larger
12 diameter than said pores in said foam material and being
13 positioned in closely spaced apart relation within said pad
14 body so as to provide additional paint retention capacity
15 relative to a body without such wells.

1 2. A paint pad as defined in claim 1 wherein said
2 paint pad is circular in plan and wherein said exterior
3 surface portion is convex, said pad backing portion
4 comprising a relatively stiff but resilient thermoplastic
5 sheet material.

1 3. A paint pad as defined in claim 1 wherein said
2 main body portion of said pad comprises axially inner and
3 outer layers, said exterior surface of said body being
4 convex and arranged so that said outer layer comprises the
5 center portion of said pad exterior surface and said inner
6 layer forms an outer margin of said exterior surface with
7 said axially outer layer being made from a material having
8 larger size pores than those comprising said axially inner
9 layer.

1 4. A paint applicator pad adapted to be rotated in
2 use to apply a band of paint to a first surface lying
3 adjacent a second, perpendicularly disposed surface, said
4 band of paint having a sharp trim edge portion and an
5 opposed feather edge portion of reduced thickness, said pad

6 having a center portion adapted to be received over a
7 spindle, said pad being of circular form in plan and having
8 a pad body made from a paint-absorbent, open cell foam
9 material, said pad having a generally convex exterior
10 working face and having laminated to its opposite face a
11 relatively stiff body backing portion, said backing portion
12 and said applicator pad body portion having outer margins
13 constructed and arranged so as to converge adjacent the
14 outermost portion of said backer, said body tapering toward
15 and joining said backing portion at said outermost edge of
16 said backing to define a trim edge forming portion of said
17 pad.

which body?
appears redundant of "converge"

1 5. An applicator pad as defined in claim 4 wherein
2 said pad body comprises two layers of foam material, each
3 having a different porosity, with the finer porosity layer
4 having an exposed portion lying radially outwardly of the
5 portion comprising a coarser porosity.

to what

1 6. A composite rotary pad for forming a sharp trim
2 edge on a band of paint applied to a first surface and to
3 form a feather edge opposite said trim edge, said composite
4 pad including a backing portion made from a stiff but
5 resilient material and having a generally flat, center
6 section and presenting a circular appearance in plan, an
7 outer shoulder including an axial portion and a radially
8 outwardly extending flange portion, said radial flange
9 portion terminating in a sharp outer edge, a first body
10 portion made from a paint-absorbent, open cell, resilient
11 foam material of a very fine pore size, said layer
12 including a radially outer, axially tapered margin-joining
13 said outermost backing edge at the outermost edge of said
14 foam layer, and a second body portion made from a
15 relatively more coarse, paint-absorbent, open cell flexible
16 foam material, said outer surfaces of said first and second
17 body portions comprising axially inner and outer layers

size considered
AA
MA
MA

18 arranged to form a continuous convex paint application
19 surface.

1 7. A pad as defined in claim 6 wherein said center
2 portion of said backer includes a center bearing adapted to
3 be guidingly received over a spindle on an associated
4 handle unit.

1 8. A paint application pad adapted for use with
2 thixotropic paints and adapted to provide improved paint
3 retention, said pad having a relatively stiff but flexible
4 backing portion and having laminated thereto a body portion
5 made from a paint-absorbent, open cell flexible plastic
6 material, said pad presenting a front working face portion
7 adapted to apply paint to a surface to be covered with
8 paint, said body further including a plurality of open
9 passages extending from said working face into said body to
10 form paint retention wells in addition to those formed by
11 the open cell structure of said pad body, said wells being
12 present in an amount of at least ten wells per square inch,
13 said walls each having a diameter of from about 0.010
14 inches to about 0.100 inches.

1 Sub 9. A paint application pad as defined in claim 8
2 herein said pad is circular in plan and includes a
3 generally convex exterior surface facing opposite the
4 portion of said pad in contact with said backing portion.

1 10. An application pad as defined in claim 8 wherein
2 said pad body comprises two layers, each being made from a
3 foam of different porosity.

1 11. A paint supply vessel including imperforate side
2 and bottom walls joined to each other to define an
3 interior, paint-receiving reservoir and presenting an open
4 top portion, a paint-absorbent, open cell resilient foam
5 insert pad disposed within said container, and at least one

6 retainer for positioning said insert pad within said
7 container, said container being resistant to spillage when
8 filled with liquid paint to a level below the upper surface
9 of said pad insert, said insert pad also permitting
10 transfer of paint from said reservoir to the body of a
11 paint application pad when said application pad is pushed
12 below the upper surface of said insert pad and the level of
13 paint in said reservoir.

1 12. A paint vessel as defined in claim 11 wherein
2 said at least one retainer comprises an annular shoulder
3 portion of at least one of said sidewalls, said shoulder
4 portion extending radially inwardly over an upwardly
5 directed, radially outer marginal surface of said insert
6 pad.

1 13. A paint vessel as defined in claim 11 which
2 further includes a removable stiff but resilient cover
3 element having an outer margin releasably engaging the
4 upper margins of said vessel sidewalls, said cover element
5 further including a pocket portion for receiving the handle
6 of a paint edger apparatus.

1 14. A combination as defined in claim 11 wherein said
2 cover further includes a tab for engaging a portion of a
3 display rack for displaying said vessel and said cover.

1 15. A paint application receptacle comprising, in
2 combination, a paint tray, a cover element, and a cover
3 retainer, said tray including bottom, side and end wall
4 portions defining a paint reservoir, said walls having
5 their upper margins arranged so as to present an upwardly
6 directed access opening, a cover element made from a paint-
7 absorbent, open cell, resilient foam material having a
8 width substantially equal to the width of said container,
9 said cover retainer comprising a pair of side edge
10 retainers extending inwardly so as to overlap opposed side

11 walls of said tray and a pair of end wall retainers, said
12 cover in use extending beneath said side edge retainers and
13 between said tray end walls to cover said access opening
14 and to present an exposed top cover surface, said cover
15 also being arranged so that, with a charge of paint being
16 disposed within said tray such that there is a head space
17 between the upper surface of said charge of paint and the
18 lower surface of said tray cover, said tray cover may be
19 depressed by a paint pad or roller in an amount sufficient
20 to fall below said upper surface of said charge of paint,
21 whereupon said cover will transfer paint from beneath its
22 lower surface through said cover and to said pad or roller
23 and whereby in the normal condition of said cover, said
24 paint will be confined against accidental spillage.

1 16. A paint application receptacle as defined in
2 claim 15 wherein the length of said cover element in its
3 relaxed condition is significantly less than the length of
4 said container opening, whereby said cover is resiliently
5 extended in use by an amount sufficient to place said cover
6 in tension but not so much as to prevent a pad or roller
7 from depressing said cover beneath the upper surface of
8 said charge of paint.

1 17. An application receptacle as defined in claim 15
2 wherein said end wall retainers include a pair of clip-
3 receiving channels forming its end portions and wherein
4 each end of said cover includes a fastening clip, said
5 clips being removably positionable within said channels by
6 a snap-in action to permit intentional, non-destructive
7 removal of said receptacle cover from said access opening.

1 18. An application receptacle as defined in claim 15
2 wherein said cover retainer is formed separately from said
3 tray, and thereafter fitted to said tray.

1 19. In combination, a paint edger apparatus and a
2 paint supply vessel, said edger apparatus comprising a
3 handle, a support plate, a paint application pad rotatably
4 affixed to said handle adjacent said support plate, a
5 rotary pad having a stiff but resilient backing material
6 portion and a resilient open cell, paint absorbent foam
7 body portion having a convex application surface and a trim
8 forming edge of narrow cross-section formed by the
9 convergence of said pad body and said backing material, and
10 said paint supply vessel including imperforate side and
11 bottom walls joined to each other to define an interior,
12 paint-receiving reservoir and presenting an open top
13 portion, a paint-absorbent, open cell resilient foam insert
14 pad disposed within said container, and at least one
15 retainer for positioning said insert pad within said
16 container, said container being resistant to spillage when
17 filled with liquid paint to a level below the upper surface
18 of said pad insert, said insert pad also permitting
19 transfer of paint from said reservoir to the body of a
20 paint application pad when said application pad is pushed
21 below the upper surface of said insert pad and the level of
22 paint in said reservoir.

1 20. In combination, a paint tray, a paint pad secured
2 to said paint tray, a cover unit for said tray and said
3 pad, said cover unit fitting snugly over an edge portion of
4 said tray, and a small opening for the shank portion of a
5 paint roller apparatus to pass therethrough.

1 21. A paint tray unit having an interchangeable
2 plurality of removable pads for attachment over the opening
3 provided by said tray, said plurality of pads differing
4 from each other by the mesh size of the pores, a frame
5 adapted to maintain said pads in position surrounding at
6 least a portion of said tray, said frame being adapted for
7 holding said pads snugly over said tray.

1 22. A tray unit as defined in claim 21, said tray
2 further including a cover unit constructed and arranged for
3 a snap fit on said tray unit, and a very small opening in
4 said cover unit whereby said unit may be snapped over the
5 shank portion of a handle, and thereby provide a
6 substantially airtight covering for said tray unit and said
7 pad.

1 23. A paint tray, and a foam cover for said paint
2 tray, said foam cover comprising a main section for
3 overlying the open portion of said tray and an outer margin
4 portion, an elastic band embedded in the outer margin of
5 said foam pad, said elastic element being capable of
6 deformation into a snug sealing engagement relationship
7 with said tray, said foam pad being constructed and
8 arranged so as to prevent spillage of said paint but to
9 allow a roller in engagement with said foam pad to depress
10 the same into engagement with the paint therein.

1 24. A tray liner for a paint tray, said tray liner
2 comprising a molded tray liner unit and a foam pad
3 overlying the opening in said tray, said foam pad being
4 bonded at its edges to the interior upper marginal surfaces
5 of said tray to permit said paint to be passed
6 intentionally but not accidentally therethrough.

1 25. In combination, a paint tray having an end wall,
2 sidewall and bottom wall surfaces, and presenting an
3 upwardly directed center opening, and said bottom wall
4 being divided into an inclined portion and a well portion,
5 said tray further including a foam pad bonded to the
6 inclined portion of said tray.